INTERNATIONAL SEARCH REPORT

International Application No PCT/IB2004/003800

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER B60R21/20 B29C44/14 B29C44/1	12 B29C39/10								
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS	SEARCHED									
Minimum do IPC 7	scumentation searched (classification system followed by classification B29C B60R	on symbols)								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used)							
EPO-In	ternal, PAJ, WPI Data									
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.							
X	US 6 092 835 A (THAKORE ET AL) 25 July 2000 (2000-07-25)	1,2,4-7,								
	25 July 2000 (2000-07-25)		9-13,15, 16							
	column 3, line 34 - column 4, line 59; figures 2,3									
P,X	DE 102 31 567 A1 (FAGERDALA DEUTS GMBH) 29 January 2004 (2004-01-29 paragraph '0013! - paragraph '001 figure	1,7,13								
X	EP 0 872 389 A (TOYOTA JIDOSHA KA KAISHA) 21 October 1998 (1998-10- column 15, line 27 - line 35; fig	1,7,13								
		-/								
X Furti	ner documents are listed in the continuation of box C.	Patent family members are listed in	n annex.							
° Special ca	tegories of cited documents :	"T" later document published after the inte	mational filing date							
	ent defining the general state of the art which is not lered to be of particular relevance	or priority date and not in conflict with cited to understand the principle or the invention								
"E" earlier of filling d	document but published on or after the international ate	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to								
which	int which may throw doubts on priority claim(s) or is cited to establish the publication date of another	Involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention								
"O" docume	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an involve document is combined with one or mo	re other such docu-							
	neans ont published prior to the international filing date but nan the priority date claimed	ments, such combination being obvious to a person skilled in the art. "&" document member of the same patent family								
	actual completion of the international search	Date of mailing of the international sear								
	April 2005	19/04/2005								
Name and malling address of the ISA		Authorized officer								
	European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk									
	Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Ekblom, H								

INTERNATIONAL SEARCH REPORT

Internation No
PCT/IB2004/003800

		PC1/1B2004/003800		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 6 205 728 B1 (SUTELAN FRANK) 27 March 2001 (2001-03-27) column 18, line 21 - line 41; figures 38,39	1,7,13		
A	US 5 108 128 A (PARKER ET AL) 28 April 1992 (1992-04-28) column 3, line 35 - column 4, line 24	3,9,14		

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No
PCT/IB2004/003800

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6092835	A	25-07-2000	US DE GB	5810388 A 19758000 A1 2322341 A ,B	22-09-1998 23-07-1998 26-08-1998
DE 10231567	A1	29-01-2004	NONE		
EP 0872389	A	21-10-1998	JP JP JP DE DE DE US	3348623 B2 10291455 A 3137027 B2 10291454 A 69812201 D1 69812201 T2 0872389 A2 6082760 A	20-11-2002 04-11-1998 19-02-2001 04-11-1998 24-04-2003 05-02-2004 21-10-1998 04-07-2000
US 6205728	B1	27-03-2001	US	6412243 B1	02-07-2002
US 5108128	A	28-04-1992	NONE		